

Polyester			
Mohs hardness	5	5	5
Amount of metallic carboxylate (10^{-3} mol/g)	40	40	40
Article composition Al (mol/100g)	1.08	1.08	1.08
Si (mol/100g)	0.31	0.31	0.31
M (mol/100g)	0.34	0.34	0.34
Crystal state	Amorphous	Amorphous	Amorphous
Specific surface area (m^2/g)	25	25	25
3.5/Dw	17.5	17.5	17.5
Particle strength (kgf/mm^2)	20	20	20
Number of crystal melting peaks	1	1	1
DEG (wt. %)	1.5	1.3	1.3
Intrinsic viscosity	0.70	0.70	0.70
Thermal crystallization parameter ($^{\circ}\text{C}$)	102	71	71
Melting point ($^{\circ}\text{C}$)	230	246	246
Film/Can Property			
Thickness (μm)	25	25	20
Thickness irregularity (%)	7	15	13
Refractive index in the direction of width	1.508	1.525	1.511
Surface roughness (μm) Ra	0.014	0.012	0.015
Rt	0.177	0.139	0.177
NMR relaxation time (msec)	290	400	230
Carboxyl terminal group (equivalence/ton)	34	34	34
DSC peak ($^{\circ}\text{C}$)	185	197	224
Formability a	B	A	A
b	B	A	B
Scrape resistance	A	A	A
Impact resistance	B	A	A

Polyester			
Taste property	A	A	A

Note) In the table, values of wt. % of ethylene terephthalate unit and ethylenenaphthalate unit were calculated in the form where diethylene glycol components were added.

09070591.053404